



DEPARTMENT OF COMMERCE

National Institute of Standards and Technology

Standards and Performance Metrics for On-Road Autonomous Vehicles: Workshop

AGENCY: National Institute of Standards and Technology (NIST), Commerce.

ACTION: Notice; Public Workshop.

SUMMARY: The National Institute of Standards and Technology (NIST) will be hosting a virtual workshop on the development of Standards and Performance Metrics for On-Road Autonomous Vehicles on March 8-9, 2022. During this two-day event, attendees will have an opportunity to actively provide feedback in facilitated discussions regarding technical focus areas for NIST to develop standards, measurement science, and performance metrics for on-road autonomous vehicle technology. NIST will release a discussion draft that addresses the following technology areas: Artificial Intelligence, Cybersecurity, Communication, Perception, Infrastructure, and Safety, prior to the workshop. NIST will use stakeholder feedback from the workshop to revise the discussion draft.

DATES: The workshop will begin on March 8, 2022, at 9:00 a.m. Eastern Time, and will adjourn on March 9, 2022, at 5:00 p.m. Eastern Time. Registration will be open until midnight on March 7, 2022, or until registration reaches capacity.

ADDRESSES: The workshop will be held virtually via webinar. For instructions on how to participate in the workshop, please see the SUPPLEMENTARY INFORMATION section of this notice.

FOR FURTHER INFORMATION CONTACT: For questions about this workshop contact: Vinh Nguyen, U.S. Department of Commerce, National Institute of Standards and Technology (NIST), 100 Bureau Drive, Gaithersburg, MD 20899, telephone (301) 975-2455, email autonomousvehicles@nist.gov. Please direct media inquiries to NIST's Office of Public Affairs at (301) 975-2762.

SUPPLEMENTARY INFORMATION:

Registration

The workshop schedule and registration information are posted online at: <https://www.nist.gov/news-events/events/2022/03/standards-and-performance-metrics-road-autonomous-vehicles>

Engagement

Other opportunities to engage in the development of standards and performance metrics in autonomous vehicles will be posted on the NIST Autonomous Vehicles webpage as they become available (<https://www.nist.gov/programs-projects/nist-and-autonomous-vehicles>), and will be announced through the NIST Autonomous Vehicles mailing list (<https://groups.google.com/a/list.nist.gov/g/autonomousvehicles>).

Objectives

On-road autonomous vehicles are projected to influence key aspects of everyday life including transportation, goods delivery, manufacturing, public safety, and security. However, autonomous vehicles can pose a risk in the event of unexpected system performance. Goals of this workshop include the following:

- Solicit stakeholder feedback to identify key areas where NIST can develop standards and performance metrics to help advance the autonomous vehicle field.
- Foster a multidisciplinary community consisting of stakeholders from a variety of disciplines and domains in autonomous vehicles.

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Authority: 15 U.S.C. 272(b) & (c).

Alicia Chambers,

NIST Executive Secretariat.

[FR Doc. 2022-01628 Filed: 1/26/2022 8:45 am; Publication Date: 1/27/2022]